

Power Clamps

Models 5331A and 5330A power clamps offer the capability of AC/DC power and power quality measurement. In addition to Watts, VA, VAR, and power factor readings, the instruments give accurate current, voltage, and frequency measurement. The unique SmartHold™ feature means that a complete set of readings for all seven parameters can be stored and displayed at any instant. A 25 segment bargraph gives an immediate indication of analog values and ranges and allow dual parameter display in Power Factor and Frequency modes.

- Automatic detection of AC, DC, and AC+DC signals
- Accurate power and power factor measurement for distorted waveforms
- True RMS
- SmartHold™ and Record modes for data analysis
- Integrated 3 phase power capability for balanced loads

Model 5331A additional features:

- Peak voltage and current value measurement
- Total harmonic distortion, distortion factor, crest factor, and ripple measurement
- Optional digital interface and Windows® software for data logging and digital waveform output for harmonics analysis



5333

5330A

The unique combination of features offered by the models 5332 and 5333 make it an essential tool for power measurement and diagnostics. These new power clamps combine the functionality of a power quality meter, oscilloscope, and data logger in a single handheld instrument which has been designed for safety and ease of use.

Models 5333 & 5332 Additional Features:

- Current clamp, power quality meter, oscilloscope and data logger in one
- Backlight LCD to display 5 parameters, waveforms, harmonics, and data logging trends
- Digital output for data download and analysis

Specifications

	5333	5332	5331A	5330A	Accuracy
MAX. CONDUCTOR SIZE	2.36" (60mm) dia.		1.97" (50mm) dia.		
CURRENT RANGES (Best Resolution)	40/400/2000A (0.01/0.1/1A)		400/1000A (0.1/1A)		±1.5% rdg ±5D
VOLTAGE RANGES (Best Resolution)	4/40/400/750V (0.001/0.01/0.1/1V)		400/600V (0.1/1V)		±1.0% rdg ±5D
KW / KVA / KVAR RANGES (Best Resolution)	4/40/400/ 1200 (0.001/0.01/0.1/1kW)		40/400/600 (0.01/0.1/1)		±2.5% rdg ±5D
KWH (Best Resolution)	4, 40, 400, 4000, 40000 (0.001/0.01/0.1/1/10)		—		±3% rdg ±5D
FREQUENCY (Best Resolution)	10Hz-1kHz (0.1 Hz)		20Hz-1kHz		0.5% rdg (40-70Hz)
POWER FACTOR (Best Resolution)	0.3 leading (capacitor) to 0.3 lagging (inductive) (0.01)				
CREST FACTOR (Best Resolution)	1-5 (0.01)		1-5 (0.01)		±3% rdg ±5D (CF1-3)
TOTAL HARMONIC DISTORTION (Best Resolution)	1-600% (0.1%)		1-600% (0.1%)		±3% rdg ±5D (1 - 100%)
DISTORTION FACTOR (Best Resolution)	1-600% (0.1%)	—	1-600% (0.1%)	—	±3% rdg ±5D (1 - 100%)
HARMONICS BARGRAPH	√	—	—	—	
RIPPLE (Best Resolution)	2-600% (0.1%)	—	2-600% (0.1%)	—	±3% rdg ±5D (1 - 100%)
MEMORY		8 screens	1 data set		
LOGGING	ext./int. 5000 rdgs	ext./int. 10000 rdgs	external, incl. waveform		
CHART MODE	√	√	—		
OSCILLOSCOPE MODE	2/4/10/50 ms/div		—		
MULTI PARAMETER DISPLAY	up to 5		Bargraph + digit		
MAXIMUM OVERLOAD			10000A		
SAFETY IEC61010	Cat. IV, 600V		Cat. III, 600V		
BATTERY LIFE	24 hours		12 hours		

Accessories

Two Year Warranty

SUPPLIED: Instruction Manual, Test Leads, Carrying Case
OPTIONAL: AK-5332 WINLOG PC Software and Interface Package for Power Clamps